| Index of Claims  | Application N . | Applicant(s) TANAKA, TAIZOU |  |  |  |  |  |  |
|--|-----------------|-----------------------------|--|--|--|--|--|--|
|  | 09/981,161      |                             |  |  |  |  |  |  |
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| Cla  | aim          |              |  |          | C        | Date     | •        |          |          |          |          | Clai      | im       |              |          |                    | _        | ate             |          |          |          |          | [   | Cla  | aim        |  |                 |          |          | ate      | ,        |           | _             | $\square$ |
|--|--------------|--------------|--|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|--------------|----------|--------------------|----------|-----------------|----------|----------|----------|----------|-----|--|------------|--|-----------------|----------|----------|----------|----------|-----------|---------------|-----------|
|  | <del>-</del> | ြွ           |  |          |          |          |          |          |          |          |          | -         | ā        |              |          |                    |          |                 | - 1      | 1        |          |          |     |  | ā          |  |                 | Ì        |          |          | - 1      |           |               |           |
| Final  | Original     | 1/21/05      |  |          |          |          |          |          |          |          | Final    |           | Original |              |          |                    |          |                 | - 1      | 1        |          |          | - 1 | Final  | Original   |  |                 |          |          |          | ı        |           |               |           |
| ΙĒ   | ٦            | 12           |  |          |          |          |          |          |          |          | 11       |           | Ų.       |              |          | ,                  |          |                 | 1        | - 1      |          |          |     | 证  | Önį        |  |                 | ĺ        |          |          | ]        |           |               |           |
|  |              | L            | Ш  | $\dashv$ | _        |          |          |          |          | _        | <u> </u> | _         |          |              |          |                    |          | Ц               |          |          |          |          |     |  |            | _  | Ш               | _        |          | _        |          | _         |               | _         |
|  |              |              | Ш  | _        | _        |          |          |          |          |          |          | 4         | 51       |              |          |                    |          |                 | _        | _        |          |          |     |  | 101        |  | Ш               | _        |          |          | _        | _         | _             | _         |
|  | 2            | ✓            | Ш  | _        | _        |          |          | Ш        |          | _        | <u> </u> | 4         | 52       |              |          |                    |          | $\Box$          | _        | _        | _        |          | - 1 |  | 102        |  |                 | _        | _        | _        |          | _         | _             |           |
|  | 3            | ✓            | Ш  | $\dashv$ |          |          |          | Ш        |          |          | <u> </u> | 4         | 53       | Ш            |          |                    |          | Ц               | _        | _        | _        | _        |     |  | 103        | ļ  |                 | _        | _        |          | _        | _         |               | _         |
|  | 4            |              |  | _        | _        |          |          |          |          |          | -        | 4         | 54       |              |          |                    |          |                 | _        | _        |          | _        | ŀ   |  | 104        |  | $\sqcup$        | _        |          |          |          | _         | $\dashv$      |           |
| <u> </u>   | 5            | Ϋ́           | $\vdash$   | $\dashv$ | _        |          |          | _        |          | _        | $\vdash$ | +         | 55       |              |          | _                  |          | _               | -1       | _        | _        |          |     | L  | 105        | _  |                 |          |          |          | $\dashv$ | -         | ᅴ             | _         |
|  | 6            | <b>√</b>     | $\vdash$   |          |          | $\Box$   |          |          | -        | -        |          | +         | 56       | Ш            |          |                    |          | $\dashv$        |          |          |          |          | ŀ   | $\vdash$   | 106        | $\vdash$   | $\vdash$        | $\dashv$ | -        | _        | $\dashv$ | $\dashv$  | $\dashv$      | $\dashv$  |
| <u> </u>   | 7            | N            |  | -        |          | _        |          | Н        | _        |          | -        | $\dashv$  | 57       |              |          |                    |          |                 |          | _        | _        | _        | ŀ   |  | 107<br>108 | _  | $\vdash$        |          |          | -        |          | -         | ᅴ             |           |
|  | 8            | N            | $\vdash$   | $\dashv$ | $\dashv$ |          |          |          | Н        | -        | <u> </u> | -         | 58<br>59 |              |          | _                  |          |                 |          | $\dashv$ | _        | $\dashv$ | ŀ   |  | 108        | $\vdash$   | $\vdash \vdash$ |          |          | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$      | _         |
|  | 9            | N            | $\vdash$   | $\dashv$ | $\dashv$ | $\vdash$ |          | Ш        | -        | ر        | -        | 4         | 60       | Н            |          | -                  |          | $\dashv$        |          | $\dashv$ |          | $\dashv$ | ŀ   | -  | 110        | ⊢  | $\vdash$        | $\dashv$ |          | -        | _        | $\dashv$  | $\dashv$      | _         |
| -  | 11           | N            | $\vdash$   | $\dashv$ |          | -        |          |          |          | $\dashv$ | -        | +         | 61       | Н            | $\vdash$ | H                  | H        |                 |          |          |          | $\dashv$ | ŀ   | $\vdash$   | 111        | $\vdash$   | $\vdash$        | $\dashv$ |          |          | -        | +         | $\dashv$      |           |
| $\vdash$   | 12           | N            | $\vdash$   |          |          | $\vdash$ |          | Н        | $\vdash$ | $\dashv$ | -        | +         | 62       | Н            |          | H                  | $\vdash$ |                 |          |          | $\dashv$ | $\dashv$ | ŀ   | <u> </u>   | 112        | $\vdash$   | $\vdash$        | $\dashv$ | $\dashv$ |          | -        | $\dashv$  | $\dashv$      | _         |
| <b></b>  | 13           | N            | $\vdash$   | $\dashv$ | $\dashv$ | $\vdash$ |          | Н        | $\vdash$ | $\dashv$ | $\vdash$ | +         | 63       | Н            |          |                    |          | $\vdash$        | $\dashv$ | ┥        |          | $\dashv$ | - } | $\vdash$   | 113        | $\vdash$   | $\vdash$        | ┥        | -        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$      | _         |
| <b></b>  | 14           | N            | $\vdash$   | $\dashv$ | $\dashv$ | $\vdash$ |          | $\vdash$ | $\vdash$ | $\dashv$ | $\vdash$ | +         | 64       | H            |          | $\vdash$           | Н        | $\vdash$        |          | -        | $\dashv$ | $\dashv$ | ŀ   | $\vdash$   | 114        | $\vdash$   | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$      | -         |
| <u> </u>   | 15           | ۳,           | Н  | $\dashv$ | ᅱ        | $\vdash$ | _        | Н        | $\vdash$ | $\dashv$ | $\vdash$ | $\dashv$  | 65       | Н            | H        | $\vdash$           | Н        | $\vdash$        | ᅥ        | $\dashv$ | -        | $\dashv$ | ł   |  | 115        | Н  | $\vdash \vdash$ | ᅥ        | ᅱ        | ᅱ        | $\dashv$ | $\dashv$  | $\dashv$      | _         |
|  | 16           | H            | H  | +        | $\dashv$ | $\vdash$ |          | H        | Н        | $\dashv$ | $\vdash$ | ╅         | 66       | H            |          | H                  | H        | $\vdash$        | ᅥ        | -        | 一        | $\dashv$ | ł   | $\vdash$   | 116        | $\vdash$   | $\vdash \vdash$ | ᅱ        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$      | _         |
| <u> </u>   | 17           | 一            | Н  | 一        | $\dashv$ | Н        |          | Н        | Н        | $\dashv$ | $\vdash$ | $\dashv$  | 67       | Н            | М        | $\vdash$           | Н        | $\vdash \dashv$ | $\dashv$ | 一        | $\dashv$ | $\dashv$ | ł   |  | 117        | Н  | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$      |           |
|  | 18           | $\vdash$     | $\vdash$   | -        | $\neg$   | $\vdash$ |          | $\vdash$ | Н        | $\dashv$ |          | $\dagger$ | 68       | Н            |          |                    | Н        | $\vdash$        | ᅥ        | 一        | $\dashv$ | Н        | Ì   |  | 118        | Н  | $\vdash$        | ᅥ        | $\neg$   | $\dashv$ | $\dashv$ | 十         | $\dashv$      | $\neg$    |
|  | 19           | $\vdash$     | H  | 寸        |          |          |          |          |          | _        | -        | ナ         | 69       |              |          |                    |          |                 | 一        | 7        |          |          | Ì   |  | 119        |  | H               | 寸        |          |          |          | _         | $\neg$        |           |
|  | 20           | $\vdash$     | Н  | ┪        | ┪        |          |          | Н        |          | $\neg$   |          | ┪         | 70       |              |          | _                  |          |                 | $\dashv$ | $\neg$   |          |          |     |  | 120        | -  | $\vdash$        |          |          | $\neg$   | $\neg$   | $\dashv$  | $\dashv$      | _         |
|  | 21           |              | $\Box$   |          |          |          |          |          |          | ᅱ        |          | $\top$    | 71       |              |          | _                  |          |                 | 一        | ヿ        |          |          | Ì   |  | 121        | Г  | H               | ヿ        |          |          |          | $\neg$    | ヿ             | $\neg$    |
|  | 22           |              | $\Box$   | $\dashv$ | 一        |          |          |          | П        | $\neg$   |          | 寸         | 72       |              |          |                    |          |                 | 一        | T        |          |          | - 1 |  | 122        |  | H               | 寸        |          |          |          | 寸         | $\neg$        |           |
|  | 23           | ·            | П  |          |          | П        |          |          |          | ╗        |          | ┪         | 73       |              |          |                    |          | $\neg$          | 一        | $\neg$   |          | П        | ı   |  | 123        |  | П               | ヿ        | $\neg$   |          |          | 寸         |               |           |
|  | 24           |              |  |          |          |          |          |          |          | ヿ        |          | $\neg$    | 74       |              |          |                    |          |                 |          |          |          |          |     |  | 124        |  |                 | $\neg$   | $\neg$   |          |          | $\exists$ | $\neg$        |           |
|  | 25           | <u> </u>     | П  |          |          |          |          |          |          | $\neg$   |          | T         | 75       |              |          |                    |          |                 |          | 一        |          |          |     |  | 125        |  |                 | $\neg$   |          |          |          | 寸         |               |           |
|  | 26           |              |  |          |          |          |          |          |          |          |          |           | 76       |              |          |                    |          |                 |          |          |          |          | l   |  | 126        |  | П               |          |          |          |          |           |               |           |
|  | 27           |              |  |          |          |          |          |          |          |          |          |           | 77       |              |          |                    |          |                 |          |          |          |          |     |  | 127        |  |                 |          |          |          |          |           |               |           |
|  | 28           |              |  |          |          |          |          |          |          |          |          |           | 78       |              |          |                    |          |                 |          |          |          |          |     |  | 128        |  |                 |          |          |          |          |           |               |           |
|  | 29           | _            | Ш  |          |          |          |          |          |          | Ш        |          | $\perp$   | 79       |              |          |                    | L        |                 | $\Box$   |          | _        |          |     |  | 129        | <u> </u>   | Ш               |          |          |          |          | $\perp$   |               |           |
|  | 30           |              |  |          |          |          |          |          |          | Ш        |          | $\perp$   | 80       |              |          |                    | <u> </u> |                 |          |          |          |          |     |  | 130        |  | Щ               | _        |          |          |          |           |               | ,         |
|  | 31           | L            |  |          |          |          |          |          |          |          | <u> </u> | $\perp$   | 81       |              |          |                    | _        | Ш               | _        | ᆚ        |          |          |     |  | 131        | _  |                 | _        |          |          | _        | _         |               |           |
|  | 32           | <u> </u>     | Ц  |          |          |          |          | Ш        | Ш        | _        | L.       | 4         | 82       | L            | L_       | $ldsymbol{\sqcup}$ | Щ        | Щ               |          | _        |          | Ц        |     | L  | 132        | <b> </b>   | Щ               | _        | $\Box$   | Ш        |          | _         | _             |           |
|  | 33           | <u> </u>     |  | _        |          |          |          | Ш        |          | $\Box$   | <u> </u> | 4         | 83       |              |          |                    |          |                 | _        | _        | _        | Ц        |     |  | 133        | <u> </u>   | Щ               | _        |          |          | _        | _         | 4             |           |
|  | 34           | $\vdash$     | $\vdash \vdash$                                  | _        | _        | Щ        |          | H        | Щ        | $\dashv$ | <u> </u> | $\dashv$  | 84       | $\vdash$     | $\vdash$ | <u> </u>           | <u> </u> |                 | _        | _        |          | Н        |     | <b></b>  | 134        | <u> </u>   | $\vdash$        | _        | _        | _        |          | 4         | _             |           |
|  | 35           | $\vdash$     | Н  | 4        | - 1      |          |          | Н        |          | $\dashv$ | _        | 4         | 85       | L            | <u> </u> | $\vdash$           | $\vdash$ | $\vdash \dashv$ |          | 4        | _        | Н        |     |  | 135        | <b> </b>   |                 | -        |          | -        | -        | _         | 4             |           |
|  | 36           | $\vdash$     | $\vdash \vdash$                                  | -        | _        | Щ        |          | H        | Ш        | $\dashv$ | -        | +         | 86       | <u> </u>     | <u> </u> | <u> </u>           | <u> </u> | $\vdash \vdash$ |          |          |          | Н        |     | <b> </b> -                                       | 136        | $\vdash$   | $\vdash$        | -        |          | -        | —        | -         | 4             |           |
| <u> </u>   | 37           | ├            | $\vdash \vdash$                                  |          | -        | $\vdash$ | -        | H        | Н        | $\dashv$ | <u> </u> | $\dashv$  | 87       | $\vdash$     | <u> </u> | <u> </u>           | <u> </u> | $\vdash$        |          |          | _        | $\dashv$ |     | <del></del>                                      | 137        | ⊢  | $\vdash \vdash$ | -        | $\dashv$ | -        | -        |           | -             |           |
| <u> </u>   | 38           | $\vdash$     | $\vdash$   | -        | $\dashv$ | Н        | _        | Н        | Н        | $\dashv$ | -        | +         | 88<br>89 | <u> </u>     | ├        | <u> </u>           | $\vdash$ | Н               |          | -        |          | Н        |     | <del> </del>                                     | 138<br>139 | ├  | $\vdash$        | $\dashv$ |          | -        |          | -         | 4             |           |
| ├—   | 40           | ├—           | $\vdash$   | -        |          | Н        | <u> </u> | $\vdash$ | $\vdash$ | $\dashv$ | $\vdash$ | +         | 90       | $\vdash$     | $\vdash$ | $\vdash$           | $\vdash$ | $\vdash$        | -        |          | _        | Н        | -   | ļ  | 140        | $\vdash$   | $\vdash$        | _        | $\dashv$ | $\vdash$ | -        | -         | -             |           |
| _  | 41           | $\vdash$     | <del>                                     </del> | $\dashv$ | $\dashv$ | $\vdash$ | -        | H        | Н        | $\dashv$ |          | +         | 91       | $\vdash$     | $\vdash$ |                    | -        | $\vdash \dashv$ |          | $\dashv$ | -        | Н        |     | $\vdash$   | 141        | ├  | ┝╌┤             | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ | -         | 4             |           |
| <del>                                     </del> | 42           | $\vdash$     | H  | -        | $\dashv$ | Н        |          | $\vdash$ |          | $\dashv$ | $\vdash$ | $\dashv$  | 92       | -            | $\vdash$ |                    | $\vdash$ | $\vdash$        | $\dashv$ |          |          | $\vdash$ | -   | <del>                                     </del> | 142        | $\vdash$   | $\vdash$        | -        | $\dashv$ | $\dashv$ | $\dashv$ |           | $\dashv$      |           |
| <del>                                     </del> | 43           | $\vdash$     | $\vdash$   | $\dashv$ | $\dashv$ | $\vdash$ |          | Н        | Н        | $\dashv$ | $\vdash$ | $\dashv$  | 93       | $\vdash$     | $\vdash$ | H                  | $\vdash$ | H               | ᅱ        | $\dashv$ | -        | $\dashv$ | ŀ   | <del>                                     </del> | 143        | $\vdash$   | H               |          | -        | $\vdash$ |          | -         | $\dashv$      | _         |
| $\vdash$   | 44           | ├-           | $\vdash$   | $\dashv$ |          | Н        |          |          | Н        | $\dashv$ | $\vdash$ | $\dashv$  | 94       |              | $\vdash$ | $\vdash$           | $\vdash$ | $\vdash$        | $\dashv$ |          |          | Н        |     |  | 144        | $\vdash$   | H               | $\dashv$ | -        | $\dashv$ | $\dashv$ | ᆉ         | $\dashv$      | _         |
| $\vdash$   | 45           | $\vdash$     | H  | $\dashv$ |          | $\vdash$ | -        | Н        | Н        | $\dashv$ |          | +         | 95       | Н            | Н        | Н                  | $\vdash$ | $\vdash$        | $\dashv$ | -        | -        | Н        |     |  | 145        | ├  | H               | $\dashv$ | -        | $\vdash$ | -        | $\dashv$  | $\dashv$      |           |
|  | 46           | $\vdash$     | H  | 一        | $\dashv$ | $\vdash$ |          | Н        | Н        | $\dashv$ | _        | $\dashv$  | 96       | <del> </del> | ┝        |                    | $\vdash$ | $\vdash$        | $\dashv$ |          |          | $\dashv$ |     |  | 146        | <del> </del>                                     | H               | $\dashv$ | $\vdash$ | $\dashv$ | -        | $\dashv$  | $\dashv$      |           |
| <u> </u>   | 47           | <del> </del> | ╁┼   | $\dashv$ | -        | $\vdash$ |          | H        | H        | $\dashv$ | -        | $\dashv$  | 97       | $\vdash$     | Н        |                    | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ |          | Н        |     | $\vdash$   | 147        | <del> </del>                                     | H               | $\dashv$ | -        | -1       |          | +         | $\dashv$      |           |
| <del></del>                                      | 48           | $\vdash$     | H  | $\dashv$ |          | Н        |          | Н        | Н        | $\dashv$ | -        | +         | 98       | $\vdash$     | $\vdash$ |                    |          | $\vdash$        | $\dashv$ | $\dashv$ | -        | Н        | ļ   | <b></b>  | 148        | <del>                                     </del> | $\vdash$        | $\dashv$ | -        | $\dashv$ | $\neg$   | $\dashv$  | $\overline{}$ | _         |
| _  | 49           | $\vdash$     | $\vdash$   | $\dashv$ |          | $\vdash$ | -        | Н        | Н        | $\dashv$ | <u> </u> | $\dashv$  | 99       | $\vdash$     | Н        | М                  | Н        | $\vdash$        | $\dashv$ | $\dashv$ | -        | $\dashv$ | 1   | <b> </b>   | 149        | $\vdash$   |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$      | -         |
|  | 50           | _            | H  | 寸        |          |          |          | П        |          | $\dashv$ |          | +         | 100      | $\vdash$     | Н        |                    | $\vdash$ | H               | 一        | -        |          | Н        | 1   |  | 150        | $\vdash$   | H               | -        | $\neg$   | $\dashv$ |          |           | $\dashv$      |           |
|  | , 50         | Щ.           | <b>L</b> Ь                                       | 1        | 1        | ш        | ш.       | لـــا    | ш        |          |          |           | . 50     |              |          |                    |          | لـــــا         |          |          |          | لب       | Į   | Щ  | ,50        |  | ш               |          |          |          |          |           | _             |           |